

# SEAN BURGESS

[Portfolio](#) | [LinkedIn](#) | [Email](#) | Houston, TX

## Aptitudes & Certifications

Microsoft Azure ([Azure Data Engineer Associate](#), [Azure Administrator Associate](#)), AWS ([Cloud Practitioner](#)), Python ([PCEP](#), NumPy, pandas, Matplotlib, Seaborn, Scikit-Learn, PyTorch), SQL

## EXPERIENCE

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### Data Engineering Consultant

*Aug 2020 - Current*

*Smartbridge*

*Oil & Gas Client*

- Analyzed machine learning regression model to understand how predictions on well-performance are generated and presented findings to senior management
- Architected and implemented a cloud environment in Azure to accommodate client needs, such as migrating on-premise data stores in CSV files to an Azure Data Lake Storage
- Optimized project pipeline by creating tables and views in SSMS for key input data

*Quick Service Restaurant Client*

- Shadowed implementation of KPI dashboards in MicroStrategy
- Authored technical documentation on data ingestion and structure from multiple sources

### Trading Systems Developer

*2020 - 2021*

*Ivy Run Interests*

- Built a sophisticated trading system using EasyLanguage within TradeStation
- Implemented a multi-stream data strategy in order to generate accurate market signals

### Mathematics Tutor

*2018 - 2021*

*FindTutors, Peer Tutoring*

- Assisted students and former peers in successfully completing mathematics courses such as calculus and probability

## PERSONAL PROJECTS

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### Bayesian Analysis in Predicting Overconfidence

[Link](#)

- Simulated a population of entrepreneurs distributed among three skill types
- Tested a multitude of scenarios in which the entrepreneurs learn from prior experience
- Analyzed perceived skill distributions to understand apparent overconfidence

### Currency Crises Predictions

[Link](#)

- Combined large data sets from the World Development Indicators DataBank
- Trained decision trees and identified accurate classifiers in MATLAB
- Predicted currency crises within rich countries

## EDUCATION

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### University of Colorado Boulder

*Current*

M.S. in Data Science Candidate

### University of Houston

*Graduated 2020*

B.S. in Mathematics - Option in Mathematical Finance

Minor in Economics